



IFW16

RAW SEQUENCE LISTING

DATE: 08/13/2004

PATENT APPLICATION: US/09/771,009B

TIME: 12:04:23

Input Set : A:\60-017200US sequence listing.txt

Output Set: N:\CRF4\08132004\I771009B.raw

4 <110> APPLICANT: HOLZBERG, STEVEN P.
 5 POGUE, GREGORY P.
 7 <120> TITLE OF INVENTION: CYTOPLASMIC INHIBITION OF GENE
 8 EXPRESSION AND EXPRESSION OF A FOREIGN PROTEIN IN A MONOCOT
 9 PLANT BY A PLANT VIRAL VECTOR
 11 <130> FILE REFERENCE: 60-017200US
 13 <140> CURRENT APPLICATION NUMBER: 09/771,009B
 14 <141> CURRENT FILING DATE: 2001-01-25
 16 <160> NUMBER OF SEQ ID NOS: 74
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 17
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Cocksackie virus
 25 <400> SEQUENCE: 1
 26 Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser Asn Pro Gly
 27 1 5 10 15
 28 Pro
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 20
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Cocksackie virus
 36 <400> SEQUENCE: 2
 37 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 38 1 5 10 15
 39 Asn Leu Gly Pro
 40 20
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 20
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Cocksackie virus
 47 <400> SEQUENCE: 3
 48 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 49 1 5 10 15
 50 Asn Pro Arg Pro
 51 20
 53 <210> SEQ ID NO: 4
 54 <211> LENGTH: 20
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Cocksackie virus
 58 <400> SEQUENCE: 4
 59 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
 60 1 5 10 15



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61 Asn Pro Gly Pro
62          20
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 20
66 <212> TYPE: PRT
67 <213> ORGANISM: Cocksackie virus
69 <400> SEQUENCE: 5
70 Gln Thr Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
71 1          5          10          15
72 Asn Pro Gly Pro
73          20
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 20
77 <212> TYPE: PRT
78 <213> ORGANISM: Cocksackie virus
80 <400> SEQUENCE: 6
81 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
82 1          5          10          15
83 Asn Pro Gly Pro
84          20
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 20
88 <212> TYPE: PRT
89 <213> ORGANISM: Cocksackie virus
91 <400> SEQUENCE: 7
92 His Tyr Ala Gly Tyr Phe Ala Asp Leu Leu Ile His Asp Ile Glu Thr
93 1          5          10          15
94 Asn Pro Gly Pro
95          20
97 <210> SEQ ID NO: 8
98 <211> LENGTH: 20
99 <212> TYPE: PRT
100 <213> ORGANISM: Cocksackie virus
102 <400> SEQUENCE: 8
103 His Tyr Ala Gly Tyr Phe Ser Asp Leu Leu Ile His Asp Val Glu Thr
104 1          5          10          15
105 Asn Pro Gly Pro
106          20
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 20
110 <212> TYPE: PRT
111 <213> ORGANISM: Cocksackie virus
113 <400> SEQUENCE: 9
114 Tyr His Ala Asp Tyr Tyr Lys Gln Arg Leu Ile His Asp Val Glu Met
115 1          5          10          15
116 Asn Pro Gly Pro
117          20
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 19

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121 <212> TYPE: PRT
122 <213> ORGANISM: Coxsackie virus
124 <400> SEQUENCE: 10
125 Gln Leu Leu Asn Phe Asp Leu Leu Lys Leu Ala Gly Asp Val Glu Ser
126 1 5 10 15
127 Asn Pro Gly
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 28
132 <212> TYPE: DNA
133 <213> ORGANISM: Barley stripe mosaic virus
135 <400> SEQUENCE: 11
136 cttcttccgt tgctagctaa aaaaaaaaaa 28
138 <210> SEQ ID NO: 12
139 <211> LENGTH: 21
140 <212> TYPE: DNA
141 <213> ORGANISM: Barley stripe mosaic virus
143 <400> SEQUENCE: 12
144 agttacttct tgaatttctc c 21
146 <210> SEQ ID NO: 13
147 <211> LENGTH: 39
148 <212> TYPE: DNA
149 <213> ORGANISM: Barley stripe mosaic virus
151 <400> SEQUENCE: 13
152 tatagcgcgc atttaaattg gtcttccctt gggggaccg 39
154 <210> SEQ ID NO: 14
155 <211> LENGTH: 49
156 <212> TYPE: DNA
157 <213> ORGANISM: Saccharomyces cerevisiae
159 <400> SEQUENCE: 14
160 tatgctagct gattaattaa gtcgacgagc tgatttaaca aattttaac 49
162 <210> SEQ ID NO: 15
163 <211> LENGTH: 44
164 <212> TYPE: DNA
165 <213> ORGANISM: Saccharomyces cerevisiae
167 <400> SEQUENCE: 15
168 tatgctagct gagcggccgc gcacgtgtca gtctgtctcc tcgg 44
170 <210> SEQ ID NO: 16
171 <211> LENGTH: 46
172 <212> TYPE: DNA
173 <213> ORGANISM: Barley stripe mosaic virus
175 <400> SEQUENCE: 16
176 tatactagtt taattaagtc gaccatggct agcaaaggag aagaac 46
178 <210> SEQ ID NO: 17
179 <211> LENGTH: 44
180 <212> TYPE: DNA
181 <213> ORGANISM: Barley stripe mosaic virus
183 <400> SEQUENCE: 17
184 tatactagtt gagcggccgc ttattttagt agctcatcca tgcc 44
186 <210> SEQ ID NO: 18

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187 <211> LENGTH: 43
188 <212> TYPE: DNA
189 <213> ORGANISM: Barley stripe mosaic
191 <400> SEQUENCE: 18
192 tatagagctc tacaaatcta gaatggctac tttctcttgt gtg 43
194 <210> SEQ ID NO: 19
195 <211> LENGTH: 21
196 <212> TYPE: DNA
197 <213> ORGANISM: Barley stripe mosaic virus
199 <400> SEQUENCE: 19
200 agagtccggt aagattcatg g 21
202 <210> SEQ ID NO: 20
203 <211> LENGTH: 30
204 <212> TYPE: DNA
205 <213> ORGANISM: Tobacco mosaic virus
207 <400> SEQUENCE: 20
208 cattaattaa gatgatggct agcaaaggag 30
210 <210> SEQ ID NO: 21
211 <211> LENGTH: 112
212 <212> TYPE: DNA
213 <213> ORGANISM: Tobacco mosaic virus
215 <400> SEQUENCE: 21
216 atatctagac ctaggaccag ggtagattc cacgtcaccc gccaaacttca gcaaatacaa 60
217 attcaacagc tgtttgtaga gtcacggcg cgccttgtat agtcatcca tg 112
219 <210> SEQ ID NO: 22
220 <211> LENGTH: 98
221 <212> TYPE: DNA
222 <213> ORGANISM: Tobacco mosaic virus
224 <400> SEQUENCE: 22
225 tatactagtc agctgttgaa ttttgatttg ctgaagttgg cgggtgacgt ggaatctaac 60
226 cctggtcctg tcgacaaagg agaagaactt ttcactgg 98
228 <210> SEQ ID NO: 23
229 <211> LENGTH: 49
230 <212> TYPE: DNA
231 <213> ORGANISM: Tobacco mosaic virus
233 <400> SEQUENCE: 23
234 tatgctagcg atcaattagc ggccgcttat ttgtagagct catccatgc 49
236 <210> SEQ ID NO: 24
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 24
242 ggccgcttat ccgtatgatg ttccggatta tgccgagct 39
244 <210> SEQ ID NO: 25
245 <211> LENGTH: 31
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 25
250 cggcataatc cggaacatca tacggataag c 31

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Input Set : A:\60-017200US sequence listing.txt

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252 <210> SEQ ID NO: 26
253 <211> LENGTH: 42
254 <212> TYPE: DNA
255 <213> ORGANISM: Chicken
257 <400> SEQUENCE: 26
258 ggccgctgaa caaaagctta tctctgagga agatcttgag ct          42
260 <210> SEQ ID NO: 27
261 <211> LENGTH: 34
262 <212> TYPE: DNA
263 <213> ORGANISM: Chicken
265 <400> SEQUENCE: 27
266 caagatcttc ctcagagata agcttttggt cagc          34
268 <210> SEQ ID NO: 28
269 <211> LENGTH: 39
270 <212> TYPE: DNA
271 <213> ORGANISM: Cnidaria
273 <400> SEQUENCE: 28
274 ggccgctcat catcaccatc accatcacca tcacgagct          39
276 <210> SEQ ID NO: 29
277 <211> LENGTH: 31
278 <212> TYPE: DNA
279 <213> ORGANISM: Cnidaria
281 <400> SEQUENCE: 29
282 cgtgatggtg atggtgatgg tgatgatgag c          31
284 <210> SEQ ID NO: 30
285 <211> LENGTH: 32
286 <212> TYPE: DNA
287 <213> ORGANISM: Brome mosaic virus
289 <400> SEQUENCE: 30
290 tatttaatta agatgtcgac ttcaggaact gg          32
292 <210> SEQ ID NO: 31
293 <211> LENGTH: 30
294 <212> TYPE: DNA
295 <213> ORGANISM: Brome mosaic virus
297 <400> SEQUENCE: 31
298 tatgcggccg ccctataaag cggggtgaag          30
300 <210> SEQ ID NO: 32
301 <211> LENGTH: 33
302 <212> TYPE: DNA
303 <213> ORGANISM: Chicken
305 <400> SEQUENCE: 32
306 tatttaatta agatgacttg ccagacttac aac          33
308 <210> SEQ ID NO: 33
309 <211> LENGTH: 31
310 <212> TYPE: DNA
311 <213> ORGANISM: Chicken
313 <400> SEQUENCE: 33
314 tatgcggccg cgcaattgca tctcctctga g          31
316 <210> SEQ ID NO: 34

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VERIFICATION SUMMARY

DATE: 08/13/2004

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Input Set : A:\60-017200US sequence listing.txt

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